

C
N49cuz
1913/14

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

NEW YORK UNIVERSITY BULLETIN

VOL. XIII

MAY 16, 1913

No. 12

WASHINGTON SQUARE
COLLEGIATE DIVISION

ANNOUNCEMENTS
FOR THE YEAR

1913 - - 1914



Published Monthly, November-March
and Weekly, April-June

Office of Publication

5 Depot Street, Concord, N. H.

Editorial Office
University Building, Washington Square East,
New York

Entered at the Concord, N. H., Post Office as second-class
matter under the Act of July 16, 1894.

CALENDAR

1913.

| | | |
|-------------|-------------------------|----------------------------------|
| Sept. 27 | Saturday, | Enrollment, Formal Opening. |
| Oct. 31, | Friday, | Last Day for Enrollment. |
| Nov. 4, | Tuesday, | Election Day, Holiday. |
| Nov. 15, | Saturday, | Last day for Payment of Tuition. |
| Nov. 27-29, | Thurs. to Sat. inclus., | Thanksgiving Recess. |
| Dec. 22, | Monday, | Christmas Recess Begins. |

1914.

| | | |
|------------|-------------------|---------------------------------|
| Jan. 5, | Monday, | Lectures Resume. |
| Jan. 26, | Monday, | First Term Ends. |
| Feb. 12, | Thursday, | Lincoln's Birthday, Holiday. |
| Feb. 22, | Sun. to Mon. | Washington's Birthday, Holiday. |
| April 6, | Monday, | Spring Recess Begins. |
| April 13, | Monday, | Lectures Resume. |
| May 15-29, | Friday to Friday, | Final Examinations. |
| June 10, | Wednesday, | Commencement. |

For information regarding the Collegiate Division, address JAMES E. LOUGH, PH.D., Secretary, Washington Square, New York City. The Secretary may also be seen personally in the office of the School of Pedagogy, Ninth Floor, University Building, Washington Square, Wednesday, between 2 and 4 o'clock, and Saturday at 9.30 A.M., except from June 1 to September 20.

Circulars and information may be obtained also by mail or in person, from the University Registrar, GEORGE C. SPRAGUE, PH.D., at the University Building, Washington Square, East. The General Offices are on the tenth floor of the University Building, and are open after September 1, from 10 A.M. to 5 P.M.; on Saturdays in September 10-12 M.

THE WASHINGTON SQUARE COLLEGIATE DIVISION

FACULTY

- ELMER ELLSWORTH BROWN, PH.D., LL.D.,
Chancellor of the University, Washington Square.
- JOHN H. MACCRACKEN, PH.D.,
Syndic of the University; Professor of Politics, Washington Square.
- DANIEL W. HERING, C. E., PH.D., LL.D.,
Professor of Physics, 128 West 183d St.
- FRANCIS HOVEY STODDARD, PH.D.,
Professor of the English Language and Literature, 22 West 68th St.
- WILLIAM KENDALL GILLETT, M.A.,
Professor of Romance Languages, Pelham Manor, N. Y.
- ERNEST GOTTLIEB SIHLER, PH.D.,
Professor of the Latin Language and Literature, University Heights.
- CLARENCE D. ASHLEY, J.D., LL.D.,
Professor of Law and Dean of the Faculty of Law, Washington Square.
- MARSHALL S. BROWN, M.A.,
Professor of History and Political Science, University Heights.
- CHARLES L. BRISTOL, PH.D.,
Professor of Biology, University Heights.
- LAWRENCE A. McLOUTH, B.A.,
Professor of the German Language and Literature, University Heights.
- THOMAS W. EDMONDSON, PH.D.,
Professor of Mathematics, and Chairman, University Heights.
- CHARLES GRAY SHAW, PH.D.,
Professor of Ethics and Assistant Professor of Philosophy, University Heights.
- ARCHIBALD L. BOUTON, M.A.,
Professor of Rhetoric, University Heights.
- ROBERT MACDOUGALL, PH.D.,
Professor of Descriptive Psychology, Washington Square.
- JOSEPH FRENCH JOHNSON, D.C.S.,
Professor of Political Economy and Finance, Washington Square.
- WILLIAM E. WATERS, PH.D.,
Professor of Greek, 430 West 118th St.

| | |
|--|---------------------|
| JAMES E. LOUGH, PH.D., <i>Professor of Experimental Psychology, and Secretary,</i> | Washington Square. |
| FREDERICK H. WILKENS, PH.D., <i>Associate Professor of German,</i> | University Heights. |
| J. LORING ARNOLD, PH. D., <i>Professor of Electrical Engineering,</i> | University Heights. |
| ALBERT I. CALAIS, B.L., <i>Assistant Professor of French,</i> | Washington Square. |
| ERNST RIESS, PH.D., <i>Assistant Professor of Latin,</i> | 221 West 113th St. |
| ARTHUR E. HILL, PH.D., <i>Professor of Analytical Chemistry,</i> | University Heights. |
| JOSEPH EDMUND WOODMAN, S.D., <i>Professor of Geology,</i> | University Heights. |
| HOLMES CONDUCT JACKSON, PH.D., <i>Professor of Physiology,</i> | 338 East 26th St. |
| HERMAN H. HORNE, PH.D., <i>Professor of the History of Education,</i> | Washington Square. |
| JEREMIAH WHIPPLE JENKS, PH.D., LL.D., <i>Professor of Government and Public Admin- istration,</i> | Washington Square. |
| LYMAN P. POWELL, B.A., <i>Professor of Government and Business Ethics,</i> | Washington Square. |
| LEE GALLOWAY, PH.D., <i>Assistant Professor of Commerce and Industry,</i> | Washington Square. |
| JOHN P. SIMMONS, SC.D., <i>Assistant Professor of Chemistry,</i> | University Heights. |
| G. B. HOTCHKISS, M.A., <i>Assistant Professor of Business English,</i> | Washington Square. |
| THEODORE F. JONES, PH.D., <i>Assistant Professor of History,</i> | University Heights. |
| CHARLES W. GERSTENBERG, PH.B., LL.B., <i>Assistant Professor of Corporation Finance,</i> | Washington Square. |
| ARTHUR H. NASON, M.A., <i>Assistant Professor of English,</i> | Washington Square. |
| RUDOLPH M. BINDER, PH.D., <i>Assistant Professor of Sociology,</i> | Washington Square. |
| LOUIS DELAMARRE, PH.D., <i>Lecturer on French Language and Literature,</i> | Washington Square. |

| | |
|---|---------------------|
| THOMAS PUGLIATTI, DOTT. PHIL., <i>Lecturer on Italian Language and Literature,</i> | Washington Square. |
| ROYAL J. DAVIS, B.A., <i>Lecturer on Journalism,</i> | Washington Square. |
| J. MELVIN LEE, B.A., <i>Lecturer on Journalism and Director of the Department,</i> | Washington Square. |
| ISABELLA M. PETTUS, LL.M., <i>Instructor in the Woman's Law Class,</i> | Washington Square. |
| EUGENIE MARIE RAYE SMITH, LL.M., <i>Instructor in the Woman's Law Class,</i> | Washington Square. |
| JESSIE ASHLEY, LL.M., <i>Instructor in the Woman's Law Class,</i> | Washington Square. |
| LEWIS O. BERGH, B.A., LL.B., <i>Instructor in English,</i> | Washington Square. |
| MAXIMO ITURRALDE, B. S. <i>Instructor in Commercial Spanish,</i> | Washington Square. |
| PERLEY L. THORNE, M.S., <i>Instructor in Mathematics,</i> | University Heights. |
| CARL F. SCHREIBER, M.A., <i>Instructor in German,</i> | University Heights. |
| BENJAMIN PARKE DE WITT, B.A., <i>Instructor in English,</i> | University Heights. |
| JOHN WHYTE, M.A., <i>Instructor in German,</i> | Washington Square. |
| E. M. EWING, M.A., <i>Instructor in Physiology,</i> | 338 East 26th St. |
| RAYMOND S. EARLE, Sc.D., <i>Instructor in Geology,</i> | University Heights. |
| A. F. WILSON, B.A., <i>Instructor in Journalism,</i> | Washington Square. |
| HELEN M. HAMILTON, B.A., <i>Instructor in Biology,</i> | Washington Square. |
| EARL CRECRAFT, B.A., <i>Instructor in Government,</i> | Washington Square. |
| MILTON E. LOOMIS, Ph.B., <i>Instructor in Municipal Government,</i> | Washington Square. |
| <hr/> | |
| FRANK A. FALL, M.A., <i>Bursar of the University,</i> | Washington Square. |
| GEORGE C. SPRAGUE, Ph.D., <i>Registrar of the University,</i> | Washington Square. |

THE WASHINGTON SQUARE COLLEGIATE DIVISION

General Statement

The Washington Square Collegiate Division of New York University was established in 1903 to meet the needs of many teachers and other professional men and women living in or near New York City who desire to complete a collegiate education, but are unable to attend the courses in the University College. Each course is of a strictly collegiate grade, both as to the subject matter and as to the amount and quality of the work required from the students. The courses in general will be the counterpart of courses offered in the University College at University Heights. All courses are open to both men and women. The classes meet on Saturdays, or at 4, 5, or 8 P. M. on other days, such hours being selected as will meet the requirements of the greatest number.

The University reserves the right to withdraw any course for the year, at a date not later than October 15, in case the minimum enrollment for that course shall not have been reached by that date.

Location

The University Building at Washington Square, containing the Administration Offices of the University, the University Law School, the Graduate School, the School of Pedagogy, the Woman's Law Class, and the School of Commerce, is situated near the center of the metropolitan district, and is very accessible from every part of Greater New York and eastern New Jersey. It is easily reached from the Eighth or Bleecker Street Stations on the Sixth Avenue Elevated, and from the Ninth Street Station on the Third Avenue Elevated, while the Broadway cars and the Brooklyn cars on Eighth Street pass within a few hundred feet of the University entrance on Waverly Place. The Astor Place Station of the Subway is

within three minutes' walk, and the Hudson tunnel station at Ninth Street is easily reached.

Certain class-rooms on the eighth, ninth and tenth floors are set apart for the use of this school, and the library and reading-rooms of the University Law School, the School of Pedagogy, and the School of Commerce are open also to students of the Collegiate Division on equal terms. The social room of the School of Pedagogy is open also to students of the Collegiate Division.

The class-rooms, being on the three upper floors of the building, are above the noise and dust of the city, and the wide expanse of Washington Square assures abundant air and light.

University Heights is reached from downtown by any of the following routes: 1. By the Broadway subway to West 181st Street Station (Manhattan), thence by Aqueduct Avenue trolley across Washington Bridge to the corner of the University campus at Aqueduct Avenue and East 181st Street (Bronx). 2. By Broadway Subway to West 207th Street Station (Manhattan), thence across University Heights Bridge and by private path to the right to campus, a walk of ten minutes. 3. To 155th Street thence by the Ogden Avenue trolley to campus. 4. By the Second or Third Avenue Elevated lines to East 177th Street, thence by trolley to corner of Aqueduct and Burnside Avenues. 5. By West Farms subway to 149th Street, thence as in 4.

Students coming from Yonkers, Mount Vernon, or New Rochelle, or from points on the New Haven or Harlem Railroads, will find University Heights easily accessible by any of the Union Railway trolley lines.

The University and Bellevue Hospital Medical College is located at East Twenty-sixth Street and First Avenue.

Requirements for Admission

Admission to the Collegiate Division is based upon any one of the following evidences of qualification:

- (1) A diploma of graduation from a four year high school course recognized by the Regents of the State of New York.
- (2) A certificate of the College Entrance Examination Board covering fifteen units of Secondary School Subjects.

- (3) Entrance examinations of the University College covering fifteen units of Secondary School Subjects.
- (4) A certificate of admission to the freshman class of a recognized college.

Graduates of approved state normal schools of Class II, and graduates of recognized professional schools of theology, law, medicine, commerce, etc., will be admitted on advanced standing with forty-five hours to complete for the degree. Graduates of approved state normal schools of Class I will be admitted on advanced standing with thirty hours to complete for the degree.

Advanced standing may be secured upon the presentation of certificates for equivalent courses in other approved colleges or in the University Summer School. At least fifteen hours, however, must be taken in the University by candidates for the degree.

The unit of measure, the "hour," means one hour of class work a week throughout the collegiate year.

Requirements for Degrees

The degree of Bachelor of Science (B.S.), either with the specification "in pedagogy," in the case of students whose preliminary education has been secured in a normal school or college, or with the respective specifications "in medicine," "in law," "in commerce," "in theology," in the case of students who have pursued collegiate subjects amounting to not less than one full year's work in these respective professional schools, will be conferred at Commencement by the Chancellor upon the vote of the University Council. The Faculty will recommend for this degree properly qualified students who shall have completed and passed examinations in the number of hours required for graduation, and who shall have filed with the Secretary notice of their candidacy prior to April 15. The degree is recognized by the Regents of the State of New York. Holders of this degree, who have included in their college course certain courses in education, are granted a certificate to teach in the schools of the State of New York, good for three years.

A year of resident work will consist of 15 hours a week, elected by the student, subject to approval by the Faculty. Many students will find it advisable, however, to elect less than 15 hours

for the year's work and to take some of the courses in the University Summer School, or to devote more than two years to the work.

Fees

| | |
|---|--------|
| Matriculation Fee (paid once only) | \$5.00 |
| Fee for Instruction and Examination: | |
| For a one-hour course, per year | 15.00 |
| For a two-hour course, per year | 25.00 |
| For a three-hour course, per year | 37.50 |
| Laboratory fee in Biology, Anatomy and Physiology | 5.00 |
| Laboratory fee in Chemistry | 10.00 |
| Deposit in Laboratory Chemistry (to be returned upon the surrender of apparatus and the payment of breakage) | 2.00 |
| Graduation and Diploma Fee | 10.00 |

For students taking courses amounting to twelve hours and not over fifteen hours, the fee for instruction is \$150.00 for the year. An additional charge at the rate of \$10.00 per hour will be made for courses in excess of fifteen hours.

All fees are to be paid to the Bursar of the University, who will then stamp the cards of admission, which are attached to the enrollment blank and which must then be presented by the student to the instructor before credit will be given for attendance. One half of the tuition fees for the year must be paid on or before November 15, and the other half on or before February 15. When the total amount of fees does not exceed \$25.00, the whole amount must be paid November 15.

Regulations Governing Matriculation and Enrollment

1. Students desiring to enter courses in the Collegiate Division for the first time must fill out a blank form which will be furnished by the University, showing the qualifications of the candidate, and must file the same with the Secretary. If the application is satisfactory the Secretary will forward to the applicant a matriculant's card, showing the exact standing of the student, and the number of courses which he must complete to receive a degree.

2. Matriculants must fill out the regular enrollment blank showing their proposed election of courses and present the same with the matriculation fee and the amount of tuition due to the bursar;

they should also fill out the admission cards attached to the enrollment blank. Upon receiving the tuition fees the bursar will stamp the admission cards and return them to the student, who must later present them to the respective instructors.

3. Students holding a matriculant's card who remain in continuous attendance need not repeat the application for matriculation in succeeding years, but are required to file a card showing election of courses for the current year. They will then receive an enrollment card, entitling them to admission to classes.

4. No student will be enrolled for first term courses after October 31, nor for second term courses after February 28, except by special action of the Faculty.

5. A matriculated student is held to remain in continuous attendance so long as such student enrolls and properly attends at least one course in each academic year.

6. Students will be considered candidates for a degree under the conditions prescribed for such candidacy at the time of their matriculation, provided they remain in continuous attendance; interruption of such attendance for one year entails re-matriculation. The rules in force at the time of such re-matriculation will govern the candidacy for the degree.

7. Students not qualified for matriculation may attend the courses as auditors, provided the permission of the secretary and of the instructor be obtained and the usual enrollment and tuition fees be paid.

8. No student is allowed to take more than eight hours of work per week without special permission of the Secretary, granted in writing.

Regulations Governing the Election of Courses and Credit for the Same

1. In the case of students of whom thirty hours is required for the degree, at least five hours must be chosen from each of the three groups, viz., five hours from Group I, Language and Literature, including at least four hours in one foreign language; five hours from Group II, Philosophy and History; five hours from Group III, Exact and Descriptive Sciences. When more than thirty hours are required for the degree the courses must be divided among the separate groups according to the regulation of the faculty.

2. Of the thirty hours required of students entering on advanced standing and of the last thirty hours taken by other students, a total of 15 hours must be chosen from the courses known as Senior courses, and designated in this bulletin by a †.

All courses in the Graduate School open to students of the Collegiate Division except courses in Education are accepted as Senior courses in the fulfillment of this requirement.

3. Students electing courses designated as Senior courses in the Collegiate Division or other University Schools must in each case secure the consent of the instructor in charge.

4. Students who fail to attend seventy-five per cent. of the lectures of a course will not receive credit for the course except by special action of the Faculty. Unexcused absences amounting to less than twenty-five per cent. will be penalized by reduction in grade.

5. Students who fail to take or to pass the examination in a course may apply for a re-examination at such time as the instructor may indicate within one year of the date of the first examination. The fee for a special examination is \$2.00. If credit for the course is not secured at such a second examination, either the course must be repeated or another course substituted for it.

6. Credit for the first year courses in foreign languages will be allowed only to students who have pursued courses for at least two years in each of two foreign languages before matriculation, as shown by certificates submitted at the time of admission.

7. Students entering with Freshman or Sophomore standing must complete four hours in the department of English and also such other courses as the Faculty may require in order to be eligible for the degree.

8. In order to be eligible for the degree students must secure a grade not lower than C (70-80%) in at least eighty per cent. of their courses.

9. Students who secure a grade of A (90-100%) in at least two-thirds of their courses may be recommended by the Faculty for the degree with the distinction "*cum laude*."

DEPARTMENTS OF INSTRUCTION

Courses in the Collegiate Division are arranged in three groups:

I. Language and Literature; II. Philosophy and History; III. Exact and Descriptive Sciences.

In addition to these courses designed primarily for students of

the Collegiate Division, students may elect certain courses in the four following Schools of the University: (1) The School of Pedagogy; (2) The Graduate School; (3) The School of Commerce, Accounts and Finance, and (4) The Summer School. Students desiring to take such courses not announced in this bulletin should apply to the Secretary of the School for permission to enroll.

In making their election of courses students should notice that, in order to get a complete description of the courses on any subject open to them, they must consult the announcements of the other Schools of the University, as well as of the Collegiate Division. This arrangement with the graduate and professional schools of the University gives the student in the Collegiate Division opportunity to pursue advanced work and to specialize in certain subjects, to a much greater extent than is possible for the college student under ordinary conditions.

In accordance with the general rule of the University, students who are matriculants in the Collegiate Division are governed by the rules of the Collegiate Division, as to payment of fees, credits, etc., even when pursuing courses in other schools.

The capital letter placed before the number of a course shows the school in which the course is given; thus P1 (Pedagogy), G1 (Graduate), C1 (Commerce). Students in filing their election of courses should be careful to give the letter as well as the number and department of a course.

Senior courses are marked with a ‡. The consent of the instructor is required for admission to these courses. Pre-collegiate courses which are not accepted for credit for a degree are designated by small letters instead of numbers.

When no time is named, it is understood that the course will be given at such hours in the afternoon or evening, or on Saturday morning, as may best suit the convenience of students and instructor, to be agreed upon at the first meeting of the class. Notice will be given upon the bulletin board on the ninth floor, and also at the formal opening on Saturday, September 27, of the time and place of the first meeting of each class.

Members of the Faculty will be glad to consult with students and to advise them in their election of studies. As a rule it is desirable that the student map out a complete two years' course, upon entering, so that his work may be well proportioned and in proper sequence.

COURSES IN THE COLLEGIATE DIVISION

GROUP I

GREEK

Greek Language

*GREEK. Introductory and Reading Course in Greek. 2 hours.

Professor Waters.

During the first semester the most important and useful facts of Greek grammar are taught through the study of a simple Greek text. In the second semester the course begins with the reading of Xenophon and gradually includes simple exercises in Greek composition and sight reading. The text-books are White's *Beginner's Greek Book*, Goodwin's *Grammar* and Goodwin's *Anabasis*.

GREEK, 2. Attic Prose. 2 hours.

Professor Waters.

Selections from prose writers usually read in the first two college years, including Xenophon's *Anabasis*, *Hellenica*, Plato's *Apology*, a short oration of Lysias and a few stories from Herodotus.

GREEK, 3. Homer. 2 hours.

Professor Waters.

A careful study of Homer, and of the development of Greek inflection and syntax. Greek 1 or its equivalent is necessary for admission to this course. The text-book is Sterrett's *Homer's Iliad*, Books I-VI, with notes and vocabulary.

Greek Culture

The courses announced under this title do not demand a knowledge of the Greek language, except when taken by graduate students. The courses fall in Group I and are credited towards the language requirements when taken by a student who has completed at least four books of Xenophon's *Anabasis* and three of Homer's *Iliad*. Otherwise they fall under Group II, Philosophy and History.

†GREEK, G VIa. Greek Religion. 1 hour. Saturday, 11.15-12.15.

Professor Waters.

Religion and Private Life of the Greeks. A study based on evidences from Greek literature and archæological discoveries. Functions of the deities; temples, temple service and property; worship and mysteries.

The Greek in his family, as citizen, tradesman, scholar. Marriage, clothing, the home, etc. Selected passages from a wide range of Greek writers. Text-book Fairbanks' *Greek Religion*.

‡GREEK, G VIb. Greek Art. 1 hour. Saturday, 12.15–1.15.

Professor Waters.

Architecture, Sculpture and Painting. The temple, public buildings, statuary, vases, paintings, coins, gems. Selected portions from different Greek writers; study of archaeological researches in Greece and Italy today. Text-book, Fowler and Wheeler's *Greek Archaeology*.

‡GREEK, G VIIa. Greek Literature. 1 hour. Saturday, 9.15–10.15.

Professor Waters.

The literature of Greece from Homer through the period of Alexandrine criticism. Epic, dramatic, and lyric poetry. History, rhetoric and philosophy. In 1913–14 poetry will again receive special attention, Sophocles, Euripides, Aristophanes, and Theocritus being the principal authors studied. English text-book, Wright's *Greek Literature*.

‡GREEK, G VIIb. Greek History. 1 hour. Saturday, 10.15–11.15.

Professor Waters.

The history of Greece through to the Roman Conquest. Greek life and political thought; relation of Greece to the oriental and western worlds; the city-state; her federal constitutions. Aristotle's *Politics*; Plato's *Republic*, III–V. Translations of Greek Historians. Bury's *Greek History*.

Latin

I. PRE-COLLEGIATE COURSES

LATIN, a. 2 hours.

Assistant Professor Riess.

BEGINNER'S LATIN: Wilson-Jenner, Cæsar's *First Campaign*.

LATIN, b. 2 hours.

Assistant Professor Riess.

CÆSAR, Selections, equivalent to four books (Janes-Riess, *Cæsar* I, II; Janes, *Second Year Sight Reading*.) Accompanied by prose exercises (Barss' *Writing Latin* I).

LATIN, c. 2 hours. CICERO'S ORATIONS (Bishop's edition). Accompanied by prose exercises (Barss' *Writing Latin* II).

LATIN, d. 2 hours.

Assistant Professor Riess.

VERGIL'S ÆNEID (Knapp's edition) with prose exercises (Barss' *Writing Latin* II).

These courses are offered to students who wish to prepare for the Collegiate Division courses, and will be given according to the needs of the applicants.

II. COLLEGIATE COURSES

Two of these courses are offered each year. Saturday, 9.15-1.15.

LATIN, 1. Plautus, *Trinummus* (Fairclough's edition, Macmillan) and other plays. Assistant Professor Riess.

LATIN, 2. Seneca, *Selected Essays* (Ball's edition, Macmillan). With lectures on the Ethical Consciousness in the Early Roman Empire. Assistant Professor Riess.

LATIN, 3. Selections from the Lyrical Poets, with lectures on the customs and Manners of the Romans. Assistant Professor Riess.

N. B. Students who desire to take advanced courses in Latin with Professor Sihler are requested to consult with him.

English

ENGLISH, 1. English Composition. 2 hours a week. Saturday, 9.15-11.15 A. M. Professor Bouton.

An inductive study of prose style with the view of formulating the principles of English composition. Studies in the meaning and history of words, and in the structure of the sentence and the paragraph. The course seeks to cultivate vitality, correctness and freedom of expression. During the first term, short themes of observation and comment are submitted weekly. During the second term themes of greater length are required, based upon the study of expository and narrative writing.

A syllabus of lectures will be used.

ENGLISH, 4. History of English Literature. 2 hours a week. Tuesday, 4-6. Professor Bouton.

A view of the progress of English Literature from its beginnings in Old English to the nineteenth century, with a presentation of its chief facts in their relation to social and literary tendency. Lectures and readings.

ENGLISH, 5. Argumentation and Public Speaking. 2 hours a week. Monday, 7.45-9.45. Mr. Bergh.

This course stimulates clear and original thinking and imparts the power of effective oral presentation. In Public Speaking, the subjects considered are speech-composition, persuasion and forms of public address. Each student delivers before the class a series of speeches, some prepared and some extemporaneous. He receives individual training and criticism. He is given practical instruction in the use and developing of the voice, in gesture and in position. In Argumentation, the class studies analysis, evidence, methods of research, brief-drawing, processes of argument, and refutation. The theory, thus acquired, is applied in a series of class de-

bates. Among the special topics, which the student studies and then applies in his speeches, are the following:

Cultivating the Imagination, Presenting Facts, Use of Illustrations, Story-Telling, Persuasion for the Business Man (Selling Talks), Persuasion for the Lawyer (Speeches to jury), Irony and Invective (Speeches of Indignation), Impressiveness (Patriotic Addresses), Addresses of Welcome and Introductions, After-Dinner Speaking.

‡ENGLISH, 7. Nineteenth Century Poetry and Prose. 2 hours a week. Friday, 4-6. Professor Stoddard.

In this course the principal literary movements of the Nineteenth Century will be reviewed in outline in lectures and will then be studied in representative works of Byron, Poe, Tennyson, Emerson, Carlyle, Ruskin, Thoreau, Whitman and Kipling. The course will have for its main object the inductive study of these literary movements and of their relation to the scientific, religious and social life of the Nineteenth Century.

[‡ENGLISH, 8. Advanced Literary Composition. 2 hours a week. Professor Bouton.

The course includes practice in the short story, the essay, and other literary forms. It is designed for students qualified by aptitude and previous experience for more advanced work in practical writing than is attempted in English 1.]

Not given 1913-14.

ENGLISH, 9. American Literature. 2 hours a week. Saturday, 11.15-1.15. Assistant Professor Nason.

The development of American literature, and its relations to British and to Continental literature. First half-year, writers of the colonial and revolutionary periods, and Irving, Bryant, Cooper and Poe; second half-year, Emerson, Whittier, Longfellow, Lowell, Holmes, Hawthorne, Whitman and Lanier. Lectures with illustrative readings; outside reading; class discussion.

ENGLISH, 11. Short Stories. 2 hours a week. Wednesday, 4.45-6.45. Mr. Hotchkiss.

Detailed study of the various narrative forms of literature; particularly the short-story. Lectures and discussions; written practice; criticisms. In the first semester the history and technique of the short story form the basis of study; in the second, representative types and authors are examined. A large amount of reading is required.

‡ENGLISH, G II. Shakespeare and the Modern Drama. 2 hours a week. Saturday, 9.15-11.15. Professor Stoddard.

The principles of the dramatic art will be given in lectures and as studies

on the basis of Freytag's *Technique of the Drama* and of other similar works. In connection with this study, the principal plays of Shakespeare will be discussed, together with those of Sheridan, Goldsmith, Molière, Ibsen, and the contemporary dramatists.

‡ENGLISH, G V. The Development of the Essay. A review of the history, nature and development of the essay in English Literature. 2 hours a week. Tuesday, 4-6. Professor Stoddard.

The readings will be from Bacon, Montaigne, Sir Thomas Browne, Hazlitt, De Quincey, Lamb, Thackeray, Robert Louis Stevenson and Matthew Arnold.

ENGLISH G VI. English Literary Prose from the Introduction of Printing to the Rise of the Periodicals. 2 hours a week. Saturday, 11.15-1.15.

Professor Bouton.

Introductory: The prose of the humanists, the Euphuists, and the Biblical translators of the sixteenth century, and the strife of literary standards.

The Seventeenth Century: Literary prose from Bacon and Hooker to the Queen Anne writers, as seen especially in the rise and progress of the essay. The rhythms of English prose in the seventeenth century. The beginnings of journalism and the establishment of its relation to literature.

[‡ENGLISH, G VII. Modern English Prose. 2 hours.

Professor Bouton.

Representative writers in English prose in the eighteenth and nineteenth centuries. The influence of personality, theme, and social function on the character of modern literary prose.]

Not given 1913-14.

‡ENGLISH, G X. Studies in 18th Century Literature (I) The Neo-Classical Writers. 2 hours. Saturday, 2-4. Assistant Professor Nason.

Lectures upon the rise and decline of the neo-classical school, illustrated with extensive study of the works of Dryden, Pope, Swift, Addison, Johnson, Goldsmith, and others. (To be given in 1913-14; not to be given in 1914-15.)

[ENGLISH, G XI. Studies in 18th Century Literature (II) The Reaction from the Neo-Classical Writers.] (To be given in 1914-15; not to be given in 1913-14). Assistant Professor Nason.]

Journalism

JOURNALISM, C1 and 1a. News Writing. 2 hours. Tuesday, 8.00-10.00 P.M. Mr. Lee.

The methods of writing news articles for the press are considered in lectures and discussions. A large amount of time is given to actual practice in writing the news stories based upon the assignments made in Journalism 2 which should be taken simultaneously with this course.

JOURNALISM, C 3 and 3 a. Current Topics. 2 hours. Wednesday, 7.45-9.45 P.M. Mr. Wilson.

This course gives a wide knowledge of contemporary events and of the sources of information regarding them. It includes also an examination of their journalistic and editorial treatment by the leading New York dailies and weeklies, and an analysis, based upon this examination, of their importance as news and as events of more permanent significance.

JOURNALISM C 5 and 5 a. History of Journalism. 2 hours. Saturday, 2.00-4.00 P.M. Mr. Lee.

A history of the ethics and principles of American journalism. Special attention will be given in this course to original research.

JOURNALISM C 8. Editorial Writing. 1 hour. First term. Tuesday 4.45-6.45 P.M. Mr. Davis.

A study of the nature and kinds of editorial writing, with regular practice in writing editorials of varying lengths and kinds.

JOURNALISM, C 8a. Literary and Dramatic Editing. 1 hour. Second term. Tuesday, 4.45-6.45 P.M. Mr. Davis.

A laboratory course in book reviewing and criticism of drama.

JOURNALISM C 9 and 9a. Magazine Writing and Special Feature Work. 2 hours. Tuesday, 7.45-9.45 P.M. Also Wednesday, 1.30-3.30 P.M.

Mr. Lee and Mr. Wilson.

This is distinctly a course in the practice of magazine writing. Lectures and discussions, however, will be held in which attention is paid to the various problems connected with writing for the magazines, newspaper supplements, the literary weeklies, etc. Short talks will be given by specialists.

JOURNALISM, C 10 and 10a. Advanced Magazine Writing. 2 hours. Thursday, 6.00-7.45 P.M. Mr. Wilson.

This is a course in practical authorship open only to students who have taken course 9 and 9a or who have had some experience in magazine work. Lectures will be given by prominent magazine editors and writers.

German

*GERMAN, 1. Course for Beginners. 2 hours. Saturday, 2-4.

Mr. ———.

The pronunciation, accidence, and elementary syntax are studied. Bierwirth's *Beginning German* will be completed; *Immensee*, *Germelshausen*, and *Der Prozess* will be read. The course will be conducted, as far as practicable, in German.

*GERMAN, C 1. First year Course in Commercial German. 2 hours.

Mr. ———.

This course with German C 2 is planned to meet the requirement of those who desire a practical knowledge of modern German for business purposes. The reading of articles upon various commercial subjects, the writing of business letters and advertisements in German, and German conversation, are the principal objects to be attained. The book used as the basis of exercises is A. Kutner's *Commercial German* (American Book Company). From the very beginning the course will be conducted as far as possible in German.

GERMAN, C 2. Second Year Commercial German. 2 hours a week.

Mr. ———.

This course is a continuation of German C 1. Students having a speaking knowledge of German, although they have not taken C 1 may be admitted, for at the beginning there will be a rapid review of the grammar. The reading of articles upon various financial and commercial subjects, the writing of business letters, market reports and advertisements in German, and proficiency in German conversation are the principal objects to be attained. Much emphasis will be laid upon the style of the German business letters. Talks on Germany's commercial relations with the rest of the world will be conducted in German. Graham & Oliver's *German Commercial Practice Connected with the Export and Import Trade*, Part II, will be used as a text-book.

GERMAN, 2. Easy German Comedy. 2 hours. Saturday, 11.15–1.15 P.M.

Professor McLouth.

Four or five of the most popular and interesting modern comedies will be read by the class. There will be a thorough and systematic review of the elementary principles of the grammar. Illustrated lectures upon the customs and manners of the German people. This course is planned especially for those who have completed German 1 or S 1, and for those who have had a year or so of German in college, or normal school, but have gotten out of practice.

GERMAN, 3. German Lyric Poetry. 2 hours. Saturday, 9.15–11.15.

Professor McLouth.

The reading of selections from the works of the most famous lyric poets of Germany from the period of the Reformation to the present time, including the *Volksslied*, a brief consideration of the music composed for the most celebrated of these poems, and of some of the best English translations. Lectures on the history of German literature, illustrated by lantern slides. For students who have completed German 2 or S 2 or an equivalent.

‡GERMAN, 4. Readings in the works of Friedrich Schiller. 2 hours. Monday, 4.15–6.15.

Professor McLouth.

It is the aim of this course to give students at first hand a moderately good idea of Schiller's literary activities. *Wallenstein*, the essay "*Über naive und sentimentalische Dichtung*", parts of the *Geschichte des 30jährigen Krieges*, and selections from the lyrics and ballads will be read and informally discussed. Illustrated lectures upon Schiller's life and times.

‡GERMAN, 5. The Romantic Operas of Richard Wagner. 2 hours. Tuesday, 4.15-6.15. Professor McLouth.

The class will read and discuss *Tannhäuser*, *Lohengrin* and *Tristan und Isolde*, and make some studies in the legends used as sources of these operas. Lectures upon Wagner's doctrine of the opera, and the dramatic structure of these particular works. Of special interest to students of music.

‡GERMAN, 6. The Latest German Drama. 2 hours. Wednesday 4.15-6.15. Professor McLouth.

Several of the latest and most popular German plays of today will be read and discussed especially as to dramatic structure. The class will be expected to witness the production of some of these plays in the German theaters of New York, and to report on the same. Lectures on the history of the German drama.

‡GERMAN, 7. The History of German Literature. 2 hours. Thursday, 4.15-6.15. Professor McLouth.

A brief but careful study of the most important periods of German literature from the earliest times down to the present day. Recitations based on Priest's "A Brief History of German Literature" (Scribners), readings in Thomas's "German Anthology" (D. C. Heath & Co.), lectures and informal discussions.

or as alternate:

‡GERMAN, 8. Introductory Course in Middle High German. 2 hours. Thursday, 4.15-6.15. Professor McLouth.

The study of the grammar as given in the last edition of Hermann Paul's *Mittelhochdeutsche Grammatik*, the reading of selections from the *Nibelungenlied* (Zarncke's edition), lectures upon the manuscripts, the legends, the origin-theories, the meter, the antiquities, the literary offspring, etc., of this epic.

French

*FRENCH, 1. Elementary Course. 2 hours. Saturday, 2.15-4.15.

Also given Wednesday, 4-6.

Mr. Heaton.

The object of this course is to give students a sufficient knowledge of the grammar and vocabulary of the French language to enable them to

See Rule 6, page 9.

read any work in French prose. The course will include a careful training in pronunciation, elementary grammar, with exercises, and easy rules of French syntax. The elements of French composition will form a distinct part of the work during the second term of the year.

Books: Fraser and Squair, *Shorter French Course* (Heath & Co.); Sym's *Easy French Reader* (American Book Co.); Labiche, *Le Voyage de M. Perrichon* (Ginn & Co.).

FRENCH, 2. Intermediate Course. 2 hours. Saturday, 11.15-1.15.

Professor Calais.

(Also given Saturday, 2.15-4.15 by Professor Calais, provided not less than six students register for it.)

The work in this course will consist of a careful study of advanced grammar, and more difficult rules of French syntax. The principles of French construction will be fully illustrated by means of ordinary English prose rendered into French. Standard authors will be read to enable the student to become familiar with the works of our great writers, thus providing a ready theme for conversation, which has always formed a distinct feature of this course.

Books: Fraser and Squair, *Abridged French Grammar* (Heath & Co.); François, *Introductory French Composition* (American Book Co.); V. Hugo, *Quatrevingt-treize*, with vocabulary, (D. C. Heath & Co.); Daudet, *La Belle Nivernaise* (vocabulary) (Ginn & Co.).

‡FRENCH, 3. Introduction to French Literature and Advanced French Composition. 2 hours. Saturday, 9.15-11.15. Professor Calais.

This course is especially designed for students who have mastered the elements of grammar and of French composition, who can read and understand French easily. Translation and advanced composition will provide material for conversation, and will give the student a fair knowledge of idiomatic French.

Books: Aubert, *French Literature*, first year (Henry Holt & Co.); Fraser and Squair, *abridged, French Grammar* (Heath & Co.); François, *Advanced French Composition* (American Book Co.); Loti, *Pêcheur d'Islande*, with vocabulary, (D. C. Heath & Co.); *Mademoiselle de la Seiglière*, (American Book Co.).

‡FRENCH, 4. Advanced Literature and Composition. 2 hours. Thursday, 4-6. Professor Calais.

The object of this course is to give students a more complete knowledge of French literature. Lectures and discussions, written practice and criticism will be a feature of this course. A thorough study of the Romantic School and of the *Mouvement littéraire contemporain* will enable the student to appreciate the works of Victor Hugo, A. de Musset, Lamartine, François,

Coppée, Alexandre Dumas, Émile Augier, A. Daudet, Pierre Loti and Edmond Rostand.

Books: Aubert, *French Literature*, second year (Henry Holt & Co.); François, *Advanced French Composition* (American Book Co.); Victor Hugo, *Hernani*, (American Book Co.); Pailleron, *Le Monde où l'on s'ennuie* (Ginn & Co.); Further notice of books needed will be given during the term.

‡G I. Sources and Development of French Comedy. 2 hours. Tuesday, 4-6. Dr. Delamarre.

Influence of Italy and Spain on writers of Comedy in France, as illustrated in the works of Corneille and Molière. French Comedy in the eighteenth and nineteenth centuries.

French Conversation Classes

Several applications were made last fall for courses in which the main point should be the practical side of the language, namely: Conversation.

The Department of French has always been of the opinion that the popularity of Modern Languages would be greater were the teaching of it made more practical. With this aim in view, two new courses in practical French will be offered to students in the Fall of 1913.

FRENCH 5. Elementary French Conversation, 2 hours. Monday, 4-6. Few books. Simple lessons in conversation by the *Natural Method*. Professor Calais.

‡FRENCH, 6. Advanced Conversation. Wednesday, 4-6. Professor Calais.

This course is designed for those who already can speak French, but desire to improve further. The work will be made pleasant as well as instructive by means of discussions, speeches on divers subjects, reciting and declaiming, the whole conducted in French.

Spanish

*SPANISH, 1. Course for Beginners. 2 hours. Professor Gillett.

This course comprises a study of pronunciation, of word-forms, and of the essential rules of syntax, together with exercises in prose composition and the reading of selected texts.

SPANISH, 2. Advanced Course. 2 hours. Professor Gillett.

The work of this course consists of exercises in reading and in prose composition.

In case the enrollment for either course falls short of eight (8), such course will not be given.

† SPANISH, C 1. Commercial Spanish. 2 hours. Friday, 7.45-9.45 P.M. Mr. Iturralde.

This elementary course aims to teach the student to speak the language well enough to enable him to advance in his own office, to accept positions in foreign offices or to travel. Conversation, in which every member of the class takes part, is a feature of the course from the very beginning. Much attention is paid to pronunciation.

SPANISH, C 2. Second Year Spanish. 2 hours. Saturday, 1.15-3.15 P.M.
Mr. Iturralde.

The important verbs, regular and irregular, the proper uses of tenses, necessary points of grammar, commercial idioms and letter-writing, will receive special attention.

SPANISH, C 3. Third Year Spanish. 2 hours. Friday, 5.45-7.45 P.M.
Mr. Iturralde.

Italian

* ITALIAN 1. Elementary Course. 2 hours. Monday, 4-6.
Dr. Pugliatti.

Reading, conversation, grammar. Grandgent's *Grammar*, De Amicis, *Cuore*; Kennard, *Italian Romance Writers*.

ITALIAN 2. Intermediate Course. 2 hours. Tuesday, 4-6.
Dr. Pugliatti.

Reading, conversation, composition, grammar. Grandgent's *Grammar*, Manzoni, *I Promessi Sposi*, Goldoni, *Commedie*.

ITALIAN 3. Advanced Course. 2 hours. Thursday, 4-6.
Dr. Pugliatti.

Reading, composition. Tasso, *Gerusalemme Liberata*; Vasari, *Pittori Illustri*.

‡ITALIAN 4. Dante, *Divina Commedia*, *Vita Nuova*. Hours to be arranged.
Dr. Pugliatti.

GROUP II.—Philosophy and History

Logic, Philosophy and Psychology

PHILOSOPHY, P 138. Elementary Logic. 1 hour a week. Saturday, 10.15-11.15.
Professor Horne.

An elementary course. A study of the outlines of inductive, deductive and organic thinking, with especial reference to the methods of discovery and proof, to probability and certainty, to fallacies, and to the unity of thought. The underlying aim of the course is to make logic of practical

* See Rule 6, page 9.

value to teachers and other students. The work will be based on a text (Creighton, *Introductory Logic*,) readings, and class reports.

PHILOSOPHY, D 111. Psychology. 2 hours a week. Saturday, 11.15-1.15. Professor Lough.

An introduction to the systematic study of Psychology. The course will begin with a description of the nervous system, its structural and functional organization, and its significance as a physical basis for a study of mental phenomena. This will be followed by a careful study of the more important facts of normal mental life—attention, preception, memory, reasoning, emotion, volition, etc. Simple psychological experiments will be performed by the class during the year.

PHILOSOPHY, D 112. Psychology of Business. 2 hours a week. Monday, 4.45-6.30. Professor Lough.

This course will undertake the analysis of the springs of human action in relation to the three fundamental operations of business; production, distribution and consumption. The scope of the course will therefore include a study of the mental bases of successful leadership and the proper selection of subordinates, the mental processes involved in marketing, and the psychological conditions of personal efficiency.

The course will consist of lectures and discussions, reports on assigned reading and the field study of actual business. Simple psychological experiments will be performed.

PHILOSOPHY, D 146. Introduction to Philosophy. 2 hours a week. Saturday, 2.15-4.15. Professor MacDougall.

This course is designed to serve as a general introduction to philosophical study. It seeks to develop critical reflection in regard to problems which are certain to arise in the mind, and to suggest their possible solutions. The discussions will be freed as much as possible from technicalities, and no preliminary training in philosophical study will be necessary.

[PHILOSOPHY, 5. Philosophy of Art. 2 hours. Professor Shaw.

A study of the beautiful from the standpoint of fine arts, and an examination of æsthetics in comparison with the other philosophical sciences.]

PHILOSOPHY, 6. Religion and Irreligion in Contemporary Culture. 2 hours. Friday, 7-9. Professor Shaw.

A study of the religious strivings of modern decadents. The course will pay special attention to Ibsen, Wagner, Nietzsche, Tolstoi, Huysmans, Villiers de L'Isle Adam, Sudermann and Gorky.

‡PHILOSOPHY, P 116. Descriptive Psychology. 2 hours. Monday, 3.45-5.45. Professor MacDougall.

The aim of this course is to make the student acquainted with the processes of the normal human mind, and to train him in the methods of psychological observation and study. The work of the course will consist of lectures, prescribed reading and the preparation of individual themes. The course of lectures will be based upon the systematic study of a text-book. The written exercises will consist of the report of the introspective studies intended to introduce the student to concrete problems.

‡ PHILOSOPHY, P 121. Genetic Psychology. 1 hour. Thursday, 4.45-5.45. Professor MacDougall.

A study of mental development in the individual and the race. The work of the course consists of three parts: first, the factors of mental development; adaptation and its conditions, the system of habits and the system of ideas; second, the course of mental development, the formal characteristics of the individual life-cycle, the periods of development, and the principles of progressive change; third, the origins of mental development, the laws of inheritance, individual and racial evolution, acquired characters and the determining environment.

PHILOSOPHY, P 126. Laboratory Psychology. 2 hours. Thursday, 3.45-5.45. Professor Lough.

The work during the first term will be the same as in G XX. During the second term an opportunity will be afforded to take up the experimental investigation of a number of special problems connected with educational psychology.

The course is open only to those who have taken P 116 or its equivalent and P 201.

‡ PHILOSOPHY, P 161. History of Modern Philosophy. 1 hour. Saturday, 9.15-10.15. Professor MacDougall.

This course treats of the history of philosophy from the Renaissance to the present time, including a sketch of the transition from mediæval to modern points of view and a discussion of the chief tendencies of contemporary thought.

‡ PHILOSOPHY, P 201. Educational Psychology. 2 hours. Wednesday, 3.45-5.45. Professor Lough.

The aim of this course is to select for special study those topics in psychology which have the most important and widest application to education. The course will include such topics as the natural and artificial conditions which determine the development of the typical forms of mental life, the formation and significance of various principles of teaching, the psychological basis of method. It will also include a discussion of imitation, apperception, induction, habit, interest, etc.

The course is open only to those who have taken, or are taking, Phil. D 111 or its equivalent.

‡ PHILOSOPHY, G II. Philosophy of Religion. 2 hours.

Professor Shaw.

A constructive study of the religious principles in mankind. This course asserts the independence of the religious precinct and endeavors to relate philosophy of religion to other forms of philosophical culture.]

‡ PHILOSOPHY, G XIV. Philosophy of Ethics. 2 hours. Saturday, 9.15-11.15.

Professor Shaw.

A study of ethical theory pursued in a three-fold manner: the history of ancient and modern ethical principles; a criticism of current theories; the development of a positive ethical principle in the form of a theory of value.

‡ PHILOSOPHY, G XVI. Systematic Philosophy. 2 hours. Friday, 3.45-5.45.

Professor Shaw.

This course is pursued with a two-fold aim: to serve as an introduction to the general subject of philosophy; and to provide, for more advanced students, a systematic survey of the various forms of philosophic activity.

‡ PHILOSOPHY, G XIX. Systematic Psychology. 2 hours. Tuesday, 3.45-5.45.

Professor Lough.

This course undertakes a scientific study of the functions and phenomena of consciousness. Its aim is to give the student a working conception of mind based upon the results of introspective and experimental investigations. The psychological works of James will be read with special reference to a comparison of his views with those of other leading psychologists.

‡ PHILOSOPHY, G XXIV. The History of Ancient and Mediæval Philosophy. 2 hours. Saturday, 11.15-1.15.

Professor Shaw.

Education

‡ EDUCATION, P 131. History of Education. 2 hours. Saturday, 11.15-1.15.

Professor Horne.

This course has two primary purposes: First, to show the relation between the social ideals of the most important peoples of the world and the systems of education by which the realization of those ideals has been attempted; second, to criticise educational systems and theories in the light of what is regarded as sound educational doctrine. It thus seeks to give the culture that results from an acquaintance with the moving forces of civilization, and at the same time to lay a broad and deep foundation for professional insight and professional work.

The course aims to make a survey in outline of the entire history of education.

Sociology

SOCIOLOGY, 2. Social Problems and Reform Movements. 2 hours.
Thursday, 3.45-5.45. Assistant Professor Binder.

An introduction to the systematic study of sociology. The lectures will treat chiefly four topics during the first half-year. *The family*; its importance for civilization, its organization and disruption. *The Drink Question*; its bearings upon the individual, the state, and society. *The Labor Question*; its urgency at the present time, its bearing upon employers and employees, and its possible solution in co-operation and profit-sharing. *The Question of Modern Charity*; organized and unorganized philanthropy; various ways of approaching poverty, delinquency, and degeneracy.

During the second half-year the important reform movements will be treated with the principles upon which they are based: (a) Woman and child labor; (b) Care of the unemployed; (c) Housing the working people; (d) Treatment of prisoners, and children's courts; (e) Women's rights; (f) Accidents in factories and on railroads; (g) Institutions of social reform.

‡ SOCIOLOGY, G II. Principles of Sociology. 2 hours. Friday, 4-6.
Assistant Professor Binder.

The province of sociology; the elements, structure, forces, and control of society; the laws and causes of progress.

SOCIOLOGY, G III. Anthropology and Folklore. 2 hours. Saturday,
11.15-1.15. Assistant Professor Binder.

Description of human races; their distribution over the globe; early human remains; types of languages and cultures. Primitive man, mental and physical, Mythology, morality, religion, and art; castes and their functions; laws and customs; their origin and development. Special emphasis will be placed upon the psychological explanation of the great myths of the Greeks, Norsemen, and Finns, and students will be guided to these and other peoples who developed their philosophy through myths.

Economics

ECONOMICS, C 1. Elements of Economics. 2 hours the first term.
Monday, 4.45-6.45. Assistant Professor Galloway.

ECONOMICS, C 1a. Economic Problems. 2 hours the second term.
Monday, 4.45-6.45. Assistant Professor Galloway.

ECONOMICS, C, 2 and 2a. Business Ethics. 2 hours. Tuesday, 6-7.45.
Professor Powell.

A course of lectures on business morals and customs, the causes of individual advancement and of the growth of individual wealth.

ECONOMICS, C 3 and 3a. Business Organization. 2 hours. First and second terms, Thursday, 7.45-9.45. Assistant Professor Galloway.

A study is made of the internal management of a large business, the differentiation of the duties of various departments, the advantages of various methods of organization as regards economy and the preservation of goodwill, trade-marks, local interests, and so on. The course treats of the organization of corporations controlling different branches of industry, the relation of one branch to others, and the relation of each to the parent company. A thorough and practical examination is conducted of the internal organization of several industrial corporations having headquarters in New York. The use of statistics in locating weak points in the structure of a company, in stimulating effort, and in promoting efficiency generally are fully discussed and illustrated. The first term will be given up to problems of scientific management and the second to the investigation of typical local industries.

ECONOMICS, C 7. Economics of Trade. 2 hours the first term. Tuesday, 10.30-12.30 A.M. or 7.45-9.45 P.M. Mr. Kennedy.

A study of the distribution or marketing of raw materials and manufactures. The growth of trade in general, of trade in the United States in particular, is sketched. The marketing of hard and soft coal, the work of the coffee, cotton and grain exchange, are studied. The work of the commission man, wholesaler and retailer, the function of advertising, the organization of the Sales Department, are investigated. New channels of trade are considered, such as the mail order business, the chain store and co-operative buying and selling. The direction and nature of American foreign trade, foreign exchange, the technique of the export trade and plan for expanding it, are studied. Excursions are made to the exchanges, to a Jersey grain elevator and a Jersey coal dock.

ECONOMICS, C 7a. Economics of Transportation. 2 hours the second term. Tuesday, 10.30-12.30 A.M. or 7.45-9.45 P.M. Mr. Kennedy.

A sketch is given of the development of American railroads and their consolidation into great systems. The financial operations involved in the construction, management and re-organization of a railroad are detailed, the use of railroad statistics by manager and investor explained. The organization and administration of the road and the work of the traffic and the operating departments followed. The history of railroad rates and rate regulation is studied, the alternative of government ownership considered. Finally, a study is made of the New York terminal situation as it affects railroad, steamship and Erie Canal traffic. Connected with this work are excursions to docks and railroad terminals.

ECONOMICS C 10 and 10a. Industrial History. 2 hours. First and second terms; Wednesday, 10.30-12.30 or Monday, 7.45-9.45.

Assistant Professor Galloway.

The course treats briefly the economic development of England previous to the Industrial Revolution and includes a study of the various inventions in the cotton, steel and other industries which have greatly lowered the cost of production and so contributed to the industrial expansion of the United States. The industrial causes and effects of our wars and tariffs are discussed; the growth of trusts and their significance; the present position of the United States as compared with other countries.

‡ ECONOMICS, G 1. History of Political Economy. 2 hours. Monday 4-6. Professor Johnson.

A study of the development of economic theory, especial attention being given to Smith, Ricardo, Mill and the Austrian School.

‡ ECONOMICS, G VI. Industrial Evolution. 2 hours. Tuesday, 4.45-6.45. Assistant Professor Galloway.

A study of the commercial and industrial development of England and the United States during the last century.

‡ ECONOMICS, G VII. Advanced Economics. An analysis of the modern theories of value and distribution. Thursday, 4-6.

Assistant Professor Galloway.

Finance

FINANCE, C 1 & 1 a. Corporation Finance. 2 hours. Monday, 7.45-9.45 or Thursday, 4.45-6.45. Assistant Professor Gerstenberg.

A practical study of the organization and financial operations of corporations. The subjects covered are organization, consolidation, capitalization, promotion, marketing securities; underwriting; reserve and dividend policies; manipulation; insolvency and reorganization.

‡ FINANCE, C 3. Money and Credit. 2 hours the first term. Tuesday, 7.45-9.45. Professor Johnson.

This course is a critical study of the theory and principles governing the means of payment. It describes the nature of money and the source of its value in the services which it performs; its relation to credit and to capital; how credit increases the efficiency of the supply of money and how its rapidity of circulation affects the value of money. The history of monetary experiences in the United States is given in considerable detail, special attention being given to the issue of green-backs in the Civil War, to the

resumption of specie payments in 1879, and to the limited coinage of silver under the laws of 1878 and 1890.

‡ FINANCE, C 4. Theory and History of Banking. 2 hours the second term. Tuesday, 7.45-9.45. Professor Johnson.

This course begins with a thorough analysis of the work done by banks of deposit and issue. It is shown why and how the savings of society find their way into the hands of bankers, being thus converted into loanable funds; how the use of credit enables the bank to expand its loans and deposits much beyond the amount of cash on hand; how the bank note is a liability, like the deposit, and, when properly used and guarded, may be safely used as money and so prevent fluctuations in the interest rate arising out of monetary stringency. The Bank of Germany and other banks of issue in Europe are described. The development of banking in the United States is made a subject of special study. The course includes a thorough study of the national banking system and all proposed reforms. The students are assigned readings in Dunbar's *History and Theory of Banking*, White's *Money and Banking*, Conant's *History of Modern Banks of Issue*, The Indianapolis Monetary Commission's Report, and Cleveland's *The Bank and The Treasury*.

History

HISTORY, 1. European History in the 19th Century. 2 hours. Saturday, 11.15-1.15. Assistant Professor Jones.

This course aims to give in some detail the history of the states of continental Europe from 1815 to the present. During the first term the lectures will cover the internal history of those states and their international relations down to the year 1878. In the second term, particular attention will be paid to the expansion of the great powers outside of Europe, to the partition of Africa, and to the development of Asia. The course is meant to give those students who elect it an intelligent interest in the world politics of today.

HISTORY, 2. Political and Constitutional History of the United States. 2 hours. Saturday, 9.15-11.15. Professor Brown.

Prefaced by an account of the Colonial System and of the condition of the Colonies in the middle of the eighteenth century, this course extends from the outbreak of the French and Indian War through the Period of Reconstruction. Its aim is to explain the origin and development of the Constitution and institutions of the United States. A general survey of the field of American history is given. Special attention is paid to the right perspective of events and their proper relation to the great movements of our history. The course is designed to meet the needs of teachers of American history in

secondary schools. Text-books for the course are Hart's *Formation of the Union* and Wilson's *Division and Reunion* (Longmans).

‡ HISTORY, G I. Critical Study of the French Revolution and Napoleonic Era. 2 hours. Tuesday, 4-6. Assistant Professor Jones.

The aim of this course is to present the essential and sufficient causes and to trace the development of the great human drama that was enacted during this period. The often conflicting historical evidence is sifted and men and measures are weighed in the light of the latest researches. Special and limited subjects are assigned to members of the class as topics for more exhaustive study, the results of which are embodied in brief oral or written reports.

‡ HISTORY, G IV. American History from 1789-1828. 2 hours. Saturday, 11.15-1.15. Professor Brown.

A study of the important events and movements of American history from the adoption of the Constitution to the triumph of Jackson in the election of 1828. Lectures, collateral reading and reports.

‡ HISTORY, G XI. The History of France until 1789. 2 hours. Thursday, 4-6. Assistant Professor Jones.

This course will cover in some detail the history of France from the Frankish invasions to the French Revolution; the development and decay of the Carolingian Empire, the institutions of feudalism, the growth of the modern French state, and the period of glory under the Bourbon kings will all be treated. Particular attention will be given to the study of European historical bibliography and historiography.

Politics and Law

LAW, 1. Popular Law. 2 hours. Saturday, 2-4. Dr. Gerdes.

This course is designed to give a knowledge of the rights and obligations of the American citizen, both as a member of society and as a private individual. Beginning with a consideration of the general nature and sources of American law, and an outline of the principal branches of law, the course will proceed with the study of the leading principles of constitutional interpretation as developed by the decisions of our courts; the rights and remedies in case of the abuse or misuse of governmental authority; the right of suffrage; property rights, including the principles of the law governing sales, deeds, wills, etc.; rights by contact, including a study of the principles of the law of contracts, effect of various kinds of contracts, construction of contracts, remedies in case of breach, etc.; and the law governing negotiable or commercial paper.

LAW 2. Woman's Law Class. Monday, Wednesday and Friday (Nov. 1-Apr. 1) at 11.30 A.M. Credit 1½ hours. Dean Ashley.

The courses will include the general principles involved in the following topics, viz.: Elementary Jurisprudence, Contract, Sales, Agency, Wills, Negotiable Paper, Personal Property, Real Property, Mortgages, Torts, Evidence, Equity, Partnerships, Corporations, and Constitutional Law.

The class room work will be devoted partially to practical questions, such as the drafting of Contracts, the proper execution of Wills and Deeds, the form and effect of Bills and Notes, Powers of Attorney and other instruments.

(This course is also given in the evenings of the same days at seven o'clock..

POLITICS, C 1 and 1a. Political Institutions. 2 hours. Mr. Crecraft

In this course, the nature of the State and Government is first discussed. with careful consideration of the leading political principles and institutions—the political motives, political parties, the suffrage, representation, constitutions. In as practical a way as possible, with continual reference to existing conditions, the functions and actual work of legislative bodies, the executive and the courts are then treated. Incidentally, many of the political questions of the day are considered in connection with the political principles under discussion.

‡POLITICS, C 2 and 2a. The Relation of Government to Business. 2 hours. Thursday, 7.45-9.45. Professor Jenks.

A number of the important economic questions of the day are studied in connection with their Governmental relations. Most of our domestic political questions of the present day are primarily economic in their nature, such as the tariff, corporations and industrial combinations, currency and banking reform, employers' liability for accidents, the minimum wage, factory acts and other forms of labor legislation. After some introductory discussions regarding the nature of government and of economic society, the field of government activity touching business will be outlined and then a few of the most important of these economic questions will be considered as thoroughly as possible. In the case of measures now under discussion before Congress or State Legislatures, specific bills will be considered and the class will frame in outline measures that, after discussion, seem to them best. It is desired that the opinions of students on such questions be made as concrete and practical as possible.

POLITICS 3 and 3a. The Administration of Cities. 2 hours. Wednesdays, 3.45-5.45. Mr. Loomis.

The place of a city in a system of government, the nature of the problems arising from density of population and the growth of cities, indicate the

functions of city government and suggest the scope of the studies followed in this course. By a comparative study of the treatment of city government problems in European cities and the United States and discussions regarding the reasons for or against the adoption of such methods, it is hoped that the work may stimulate interest and the desire to assist, as citizens, in the betterment of our American city conditions. Text-books, lectures and discussions. (Also given Wednesday 7.45-9.46 P. M.)

POLITICS C, 4 and 4a. Comparative Politics and Government. 2 hours.

Mr. Crecraft.

A study of the nature and origin of state and government and a comparison of the systems of government prevailing in the United States, Great Britain and the leading nations of continental Europe with special reference to their relations to present political problems in the United States, and a generalization of fundamental principles of public law common to them all. Administrative organization and the relation of central institutions to political subdivisions of the respective countries will also be treated. Lectures, text-book and discussions.

POLITICS, C 5. Municipal Finance. 1 hour. First term, Wednesday, day, 7.45-9.45.

Mr. ———.

A study of the city budget with careful discussion of the principles of taxation as applied in city governments in the United States and abroad. The organization of the finance departments of cities and a discussion of the control over expenditures, municipal credit and bond issues.

POLITICS, C 5a. Municipal Accounting and Statistics. 1 hour. Second term, Wednesday, 7.45-9.45.

The lectures in this course will be conducted by the corps of instructors from the Bureau of Municipal Research of New York City. They will cover a discussion of municipal revenues and expenses; general account balance sheets; appropriation and fund accounts; capital account balance sheets; sinking and trust funds; functional expenses and cost accounts, etc.

POLITICS, C 6 and 6a. The City of New York. 2 hours. Friday, 7.45-9.45.

Professor Jenks.

A study of the City of New York, its conditions of business, of culture, of business, of government. What makes New York a good place to live in? How does it compare with other places? What can be done for its improvement? An account of its various resources, its living conditions for rich and poor; the causes of its prosperity and its business and political relations, state, national and international, from the viewpoint of the citizen who has his living to earn and who wishes to lead a useful life.

Group III.—Exact and Descriptive Science

Mathematics

MATHEMATICS, 1. Algebra. 2 hours. Saturday, 9.15–11.15.

Professor Edmondson.

This course presupposes a knowledge of algebra to quadratic equations. The algebra will be reviewed with special reference to the fundamental principles and modern methods. The course will include the theory of the quadratic equation, binomial theorem, permutations and combinations, logarithms, partial fractions, determinants, theory of equations, and complex numbers.

MATHEMATICS, 2. Solid Geometry. 1 hour. First term, Friday, 4–6.

Mr. Thorne.

In this course, besides the topics commonly dealt with in a college course,—the geometrical properties of planes and lines in space, of the simple polyhedra, and the sphere—will be discussed. Throughout the course, special attention will be given to the solution of original problems.

MATHEMATICS, 3. Trigonometry. 1 hour. Second term, Friday, 4–6.

Mr. Thorne.

This course will be given as a preparation for the study of analytic geometry, the calculus, and the higher mathematics. It will include such topics as trigonometric equations, Demoivre's theorem, exponential forms.

Courses 2 and 3 may be taken as a two hour course extending through the year.

‡MATHEMATICS, 4. Analytic Geometry. 2 hours. Friday, 7–9.

Mr. Thorne.

An elementary course in Analytic Geometry of the line, circle, and conics. The preparation required is plane geometry, algebra (including the theory of quadratic equations), and plane trigonometry. The aim of the instruction is to make clear the principles underlying the application of algebraic analysis to geometry and to prepare the student for further study of analytic geometry and higher mathematics.

‡MATHEMATICS, 5. Calculus. 2 hours. Saturday, 11.15–1.15.

Professor Edmondson.

An elementary course. The preparation required is higher algebra, plane trigonometry, and analytic geometry. The course will serve as an introduction to the more thorough study of the calculus. The aim of the

instruction is to make clear the fundamental ideas involved in the study of functions by applications to simple problems in geometry and mechanics.

Physics

PHYSICS, 1. General Physics. 2 hours at University Heights during the first term. Professor Hering.

Properties of matter, mechanics, heat, magnetism and electricity, sound, light; experimental lectures.

PHYSICS, 2. Laboratory Exercises. 2 consecutive hours a week at University Heights. Professor Hering and Professor Arnold.

This is a laboratory course in general physics, with collateral reading and study, as well as carefully written records. It includes exercises in mechanics, heat, sound, light, electricity, and magnetism. It is taken along with Course (1) or (4), or else must be preceded by preparatory physics.

PHYSICS, 4. General Physics. 2 hours. Friday, 4.15-6.00.

Professor Hering.

This course of lectures in General Physics will include only so much of mechanics as is essential to a clear presentation of other branches of physics, but these latter will be presented fully. Lectures begin about 4.15 and continue to 6 o'clock.

Besides occasional illustrations during the lectures at Washington Square, a period will be devoted to experimental demonstrations at the physics lecture room and laboratories at University Heights about once a month, in place of the Washington Square lecture.

‡ PHYSICS, G VIIIa. General Physics. 2 hours at University Heights. Professor Hering.

‡ PHYSICS, G VIIIb. General Physics. 2 hours at University Heights. Professor Hering.

Chemistry

CHEMISTRY, 1. Introductory Course in General Inorganic Chemistry. 2 hours a week the first term. Wednesday, 3.45-5.45.

Assistant Professor Simmons.

CHEMISTRY, 2. Introductory Course. (Continuation of Chem. 1.) 2 hours a week the second term. Assistant Professor Simmons.

CHEMISTRY, 3. Introductory Course in Organic Chemistry. 2 hours a week the first term. Wednesday, 7.45-9.45.

Assistant Professor Simmons.

CHEMISTRY, 4. Continuation of Chem. 3—with applications of Chemistry to Daily Life. 2 hours a week during the second term. Wednesday, 7.45-9.45.

‡ CHEMISTRY, G VIIa. Qualitative Analysis. 6 laboratory hours a week at University Heights. Professor Hill.

‡ CHEMISTRY, G VIIb. Quantitative Analysis. 6 laboratory hours a week at University Heights. Professor Hill.

N. B.—Either Chemistry 1 and 2, or 3 and 4 may be taken together as a full course.

Geology and Geography

GEOGRAPHY 1. GEOGRAPHY OF THE LAND. 2 hours a week the first term. Tuesday, 4-6. Professor Woodman.

This course and Geography 2 concern themselves chiefly with subject matter, in preparation for a later special study in methods; but the latter receive consideration wherever possible. The topics of the lectures cover the process in operation on the earth's surface and the history and characteristics of resulting physiographic forms; cycles of development in rivers, coasts and other continental features; physiographic control of life.

The lectures in this and the following courses are illustrated by maps, sections, lantern slides and specimens.

GEOGRAPHY 2. GEOGRAPHY OF THE OCEAN AND ATMOSPHERE. 2 hours a week the second term. Tuesday, 4-6. Professor Woodman.

To a certain extent this is a continuation of Course 1, but either course may be taken without the other. The earth as a whole, as given in that part of geography commonly called mathematical; the characteristics of the ocean—its distribution, composition, movements and life; and the meteorological work of the atmosphere, constitute the theme of the course. Those portions of the subject that are of service in elementary and secondary class work will receive especial prominence.

General Note. Laboratory work supplementary to Courses 1, 2 and 4 as given in the Summer School.

GEOGRAPHY C 5. COMMERCIAL AND INDUSTRIAL GEOGRAPHY. 2 hours a week. Thursday, 7.45-9.45. Dr. Earle.

Either term may be taken separately as a 30-hour course.

The general theme of the course is the dependence of mankind upon the earth's history. Among the problems considered are: agencies of existing change and their work; transportation—oceanic, coastwise, interior by water and by rail; mineral resources and their conservation; water for power;

irrigation; forests; land and its conservation; vegetable products; animal products; influences of environment upon man, and his adaptation to them; commerce and industry of various countries.

GEOGRAPHY 7 and 8. CONTENT AND METHOD IN GRADE SCHOOL GEOGRAPHY. 2 hours. Wednesday, 4-6. Professor Woodman.

The two halves of this course, *either of which may be taken separately*, are especially designed for teachers who deal with the subject of Geography in Primary and Grammar grades.

In course 7, subject matter is emphasized, in course 8 method. The scope of the former is, as far as possible, that covered by the New York and New Jersey State syllab; and by those of New York and near-by cities.

Students may count these courses for either science or pedagogy, according as special papers are prepared dealing with either aspect of the subject.

GEOLOGY 9. GENERAL GEOLOGY—FIELD AND LABORATORY WORK. 2 hours. Excursions upon five half-days and two whole days, to points of geological interest within reach of New York; for direct observational study of many of the topics treated in courses 1, 3 and 4. On inclement days during the open season and regularly after its close, the time is spent in the geological laboratory. The subjects there treated include the more important minerals, rocks and rock structures. Saturday afternoons, and two whole Saturdays. Dr. Earle.

10. GENERAL GEOLOGY—LABORATORY AND FIELD WORK. 2 hours. The laboratory work of this course is in the form of observational study of specimens, models, maps and structure sections, in continuation of course 9. The topics treated include the interpretation of topographic form and geologic structure, and the more typical fossils characterizing the different geologic ages. Excursions will occupy four half-days and two whole days. Time as for course 9. Dr. Earle.

GEOGRAPHY C 11. PHYSICAL, INDUSTRIAL AND COMMERCIAL GEOGRAPHY OF NORTH AMERICA. 2 hours a week the first term. Wednesday, 7.45-9.45. Professor Woodman.

This is the first of a cycle of four courses, occupying two years, any one of which may be taken without reference to the others. They are designed for those who, having some knowledge of physical and commercial geography, wish to learn more of the specific effects of geographic conditions upon human activities in various countries.

GEOGRAPHY C 12. PHYSICAL, INDUSTRIAL AND COMMERCIAL GEOGRAPHY OF SOUTH AMERICA. 2 hours a week during the second term. Wednesday, 7.45-9.45.

Professor Woodman.

This course will supplement course 11, the two covering the western hemisphere.

[GEOGRAPHY 13. PHYSICAL, INDUSTRIAL AND COMMERCIAL GEOGRAPHY OF EUROPE. 2 hours a week the first term. (Not given in 1913-14. To be given in 1914-15.)

Professor Woodman.]

[GEOGRAPHY 14. PHYSICAL, INDUSTRIAL AND COMMERCIAL GEOGRAPHY OF ASIA, AUSTRALIA, AUSTRALASIA AND AFRICA.] [2 hours a week the second term.] (Not given in 1913-14. To be given in 1914-15.)

Professor Woodman.

‡ GEOLOGY G I. HISTORY OF GEOLOGY AND PHYSIOGRAPHY. 2 hours a week the second term. Hours to be arranged.

Professor Woodman.

This is course I of the Graduate School. It aims to give a knowledge of the steps by which we have attained to our present conception of the larger problems in these subjects. Lectures, supplemented by reading.

‡ GEOGRAPHY G II. GEOGRAPHIC INFLUENCES. 2 hours a week the second term. Hours to be arranged.

Professor Woodman.

This is course II of the Graduate School, and consists of a somewhat advanced study of the principles governing geographic influences in general, the topics being treated as general problems rather than as illustrations of the conditions active in specific countries.

Text-book: *Influences of Geographic Environment*, by E. C. Semple.

Biology

BIOLOGY, 1. General Principles of Zoölogy. 1 hour. Saturday, 11.15-12.15.

Professor Bristol.

This course is intended for beginners in Zoölogy, and treats of the factors that underlie the phenomena of life in a broad way. It affords an introduction to the laboratory courses given at the University Summer School and is accepted for credit only when combined with those of Biology 4. The lectures are illustrated by lantern slides and by projections of microscopic objects.

BIOLOGY, 2. Human Physiology. 1 hour. Second term.

Professor Bristol.

The course of lectures in human physiology is designed to supplement and extend the knowledge of this subject already gained in the secondary

school. It presumes an elementary knowledge of the body, and is designed especially for teachers. The lectures are illustrated by lantern slides and by projections of microscopic objects.

This course will not be given if less than ten students elect it.

‡ BIOLOGY, 3. Principles of Organic Evolution. 2 hours. Saturday, 9.15–11.15 at Washington Square. Professor Bristol.

This course goes over the evidences of evolution, discussing the principal factors carefully. Along with the lectures, the careful reading of a textbook is required. Illustrated by lantern slides.

BIOLOGY 4. Anatomy. Saturdays 1.15–3.15.

Miss Hamilton.

This course will consist of 60 hours of laboratory work and lectures. The laboratory work will include a study of the throat, mouth, eye, ear, nose and brain as illustrated in the sheep. The lectures will include a discussion of the normal physiological conditions found in school children, and of the abnormal conditions which are sometimes present.

The course is offered in the belief that every teacher of grade classes should be able to recognize the most common conditions of abnormality in their pupils. They should be able to understand the medical officer and coöperate more successfully with him.

In addition to the normal anatomy and physiology, methods of determining physical defects of abnormal children will be offered whenever these methods differ from the methods used with normal children. Demonstrations of the methods used in testing defective children will be made upon such children.

‡ BIOLOGY, 5. Experimental Physiology. 3 hours credit. Saturday, 9.15–1.15, at Physiological Laboratory of the University Medical College, 1st Avenue and 26th Street.

Dr. Ewing.

This laboratory course, designed especially for teachers, consists of thirty exercises covering subjects such as: The properties of surviving tissue; reaction of organisms to stimuli; properties of muscle and of nerve; the muscle-nerve mechanism; the circulation and respiration; the central nervous system; the reaction time to sound; taste, smell and cutaneous sensations, and experiments on vision.

An elementary knowledge of chemistry, biology and physics is required; the course will be given only if four or more students are registered by October 5.

‡ BIOLOGY, 6. Physiology of Nutrition and Diet Selection. Lecture Course. 2 hours a week. Friday, 3.30–5.30.

Dr. Jackson.

Open to students who have completed course 5 or its equivalent. Will be given only upon the application of five or more students.

COURSES IN THE SUMMER SCHOOL, 1913

The following courses in the Summer School of 1913 are the equivalents of courses given in the Collegiate Division and credit will be allowed for them. The Summer School bulletin will be sent free upon application:

Biology: General Zoölogy, 2 hours;

‡ Comparative Anatomy, 2 hours; Human Anatomy and Physiology, 1 hour; Special Course in Anatomy for Teachers, 2 hours.

Chemistry: General Chemistry (Introductory Lecture), 2 hours; (Introductory Laboratory), 1 hour;

‡ Qualitative Analysis, 2 hours;

‡ Quantitative Analysis, 2 hours;

‡ Organic Chemistry, 2 hours;

‡ Advanced Laboratory Practice, 2 hours.

Economics: Elements of Economics, 1 hour; Industrial Organization, 1 hour;

‡ Advanced Economics, 1 hour.

Education: ‡ History of Education, 2 hours.

English: English Composition, 1 hour; Advanced English Composition, 1 hour;

‡ English Poets of the XIX Century, 1 hour;

‡ Modern English Drama, 1 hour;

‡ Studies in Poetry and Prose, 2 hours; The Comedies of Shakespeare, 1 hour; XIX Century Prose, 1 hour; Formal English Grammar, 1 hour; Argumentation and Public Speaking, 2 hours; Current Problems, 1 hour.

Finance: Corporation Finance, 2 hours; American Financial History, 1 hour

French: Elementary Course, 1 hour; Intermediate Course, 1 hour;

‡ Reading, Composition and Conversation, 1 hour.

Geology and Geography: Geography of the Lands (Lecture 1 hour; laboratory 1 hour); Geography of Commerce and Industry, 2 hours;

‡ General Geology, 1 hour.

German: Beginners' Course, 1 hour; Modern German Comedy 1 hour; German Conversation, 1 hour;

‡ Grillparzer's Dramas, 1 hour;

‡ History of German Literature, 2 hours.

Greek: Beginners Course, 1 hour; Xenophon's Anabasis, 1 hour; Homer's Iliad, 1 hour; Greek Art, 1 hour.

History: ‡ American History, 1 hour;

‡ American Government and Administration, 1 hour; Ancient History, 1 hour; History of XIX Century, 1 hour; Europe and the Near East, 1 hour.

Italian: Elementary Course, 1 hour; Intermediate Course, 1 hour;

‡ Advanced Course, 1 hour.

Journalism: Short Stories, 1 hour; Writing for the Press, 1 hour.

Latin: Beginners' Course, 1 hour; Vergil's *Æneid*, 1 hour;

‡ Prose and Composition, 1 hour;

‡ Cicero's Letters to Atticus, 1 hour.

Mathematics: Algebra, 1 hour; Solid Geometry, 1 hour; Trigonometry, 1 hour;

‡ Analytic Geometry, 1 hour;

‡ Differential Calculus, 1 hour;

‡ Integral Calculus, 1 hour.

Philosophy: Logic, 1 hour; Ethics, 1 hour.

Physics: Mechanics, Heat, Sound, 1 hour; Light, Magnetism Electricity, 1 hour; Photography, 1 hour; Laboratory Physics, 1 or 2 hours;

‡ Advanced Laboratory Physics, 1 or 2 hours.

Psychology: General Psychology, 1 hour; Social Psychology, 1 hour;

‡ Abnormal Psychology, 1 hour.

Semitics: Beginners' Hebrew, 1 hour; Intermediate Hebrew, 1 hour;

‡ Advanced Hebrew, 1 hour; Elementary Aramaic, 1 hour;

‡ Targum on Genesis, 1 hour;

‡ Rabbinic Literature, 1 hour.

Spanish: Beginners' Course, 1 hour; Second Year Course 1 hour.

COURSE SCHEDULE

| DEPARTMENT | No. | SUBJECT | UNITS OF CREDIT | HOURS OF LECTURES | | | | | Room | INSTRUCTOR |
|------------|----------|-----------------------------------|-----------------------|-------------------|-------|------|--------|------|------|------------|
| | | | | Mon. | Tues. | Wed. | Thurs. | Fri. | | |
| Greek | a | Introductory Course | 2 | | | | | | | Waters |
| " | 2 | Attic Prose | 2 | | | | | | | " |
| " | 3 | Homer | 2 | | | | | | | " |
| " | G Via | Greek Religion | †1 | | | | | | | " |
| " | G Vlb | Greek Art | †1 | | | | | | | " |
| " | G VIIa | Greek Literature | †1 | | | | | | | " |
| " | G VIIf | Greek History | †1 | | | | | | | " |
| Latin | a-d | Pre-Collegiate | 2 | | | | | | | Riess |
| " | 1 | Plautus | 2 | | | | | | | " |
| " | 2 | Seneca | 2 | | | | | | | " |
| " | 3 | Lyric Poets | 2 | | | | | | | " |
| English | 1 | English Composition | 2 | | | | | | | " |
| " | 4 | History of English Literature | 2 | | | | | | | " |
| " | 5 | Argumentation and Public Speaking | 2 | | | | | | | " |
| " | 7 | XIX Century Poetry and Prose | †2 | | | | | | | " |
| " | 9 | American Literature | 2 | | | | | | | " |
| " | 11 | Short Stories | 2 | | | | | | | " |
| " | G II | Shakespeare and The Modern Drama | †2 | | | | | | | " |
| " | G V | The Development of the Essay | †2 | | | | | | | " |
| Journalism | 1, 1a | News Writing | 2 | | | | | | | " |
| " | C3, 3a | Current Topics | 2 | | | | | | | " |
| " | C5, 5a | History of Journalism | 2 | | | | | | | " |
| " | C8 | Editorial Writing | 1 | | | | | | | " |
| " | C8a | Literary and Dramatic Editing | 1 | | | | | | | " |
| " | C9, 9a | Magazine Writing | 2 | | | | | | | " |
| " | C10, 10a | Advanced Magazine Writing | 2 | | | | | | | " |
| German | 1 | Beginners' Course | *2 | | | | | | | " |
| " | C1 | Commercial German | *2 | | | | | | | " |
| " | C2 | Adv. Commercial German | 2 | | | | | | | " |
| " | 2 | Easy German Comedy | 2 | | | | | | | " |

† Credited as Senior Courses. 3.45 = First Term only. 3.45 = Second Term only. I = Law School. G = Graduate School. P = School of Pedagogy. C = School of Commerce. XI = Eleventh floor. U.H. = University Heights. M.C. = Medical College.

COURSE SCHEDULE—Continued.

| DEPARTMENT | No. | SUBJECT | UNITS OF CREDIT | HOURS OF LECTURES | | | | | ROOM | INSTRUCTION |
|-----------------|-------|-------------------------------------|-----------------|-------------------|-------|------|--------|-------|------|-------------|
| | | | | Mon. | Tues. | Wed. | Thurs. | Fri. | | |
| German..... | 3 | German Lyric Poetry..... | 2 | 4.15 | | | | | P8 | McLouth |
| " | 4 | Schiller..... | +2 | | | | | | P8 | " |
| " | 5 | Wagner's Operas..... | +2 | | | | | | P8 | " |
| " | 6 | Latest German Drama..... | +2 | | 4.15 | | | | P8 | " |
| " | 7 | German Literature..... | +2 | | | | 4.15 | | C2 | Heaton |
| French..... | 1 | Elementary Course..... | *2 | | | | | | C2 | Calais |
| " | 2 | Intermediate Course..... | 2 | | | | | | C2 | " |
| " | 3 | French Literature..... | +2 | | | | 4.00 | | C2 | " |
| " | 4 | Adv. French Literature..... | 2 | | | | | | C2 | " |
| " | 5 | French Conversation..... | 2 | 4.00 | | 4.00 | | | C2 | " |
| " | 6 | French Comedy..... | +2 | | 4.00 | | | | C2 | " |
| " | G I | Beginners' Course..... | *2 | | | | | | C2 | " |
| Spanish..... | 1 | Advanced Course..... | 2 | | | | | | C2 | Delamarre |
| " | 2 | Commercial Spanish..... | *2 | | | | | | G3 | Gillett |
| " | C1 | Second Year Commercial Spanish..... | 2 | | | | | | | |
| " | C2 | Third Year Commercial Spanish..... | 2 | | | | | | | Iturralde |
| " | C3 | Elementary Italian..... | *2 | 4.00 | | | | | | " |
| Italian..... | 1 | Intermediate Course..... | 2 | | 4.00 | | | | | Pugliatti |
| " | 2 | Advanced Course..... | 2 | | | | 4.00 | | | " |
| " | 3 | Dante..... | +2 | | | | | | | " |
| " | 4 | Elementary Logic..... | 1 | | | | | | P7 | Horne |
| Philosophy..... | P138 | Psychology..... | 2 | | | | | 10.15 | | " |
| " | D111 | Business Psychology..... | 1 | | | | | 11.15 | | Lough |
| " | D112 | Introduction to Philosophy..... | 2 | 4.45 | | | | | P9 | MacDougall |
| " | D147 | Religion and Irreligion..... | 2 | | | | | 2.15 | P1 | Shaw |
| " | 6 | Descriptive Psychology..... | 2 | | | | | 7.00 | P4 | MacDougall |
| " | P116 | Genetic Psychology..... | +2 | 3.45 | | | | | P4 | " |
| " | P121 | Laboratory Psychology..... | +1 | | | | 4.45 | | P9 | Lough |
| " | P126 | History of Modern Philosophy..... | 2 | | | | 3.45 | | P4 | MacDougall |
| " | P161 | Educational Psychology..... | +1 | | | 3.45 | | | P4 | Lough |
| " | P201 | Philosophy of Ethics..... | +2 | | | | | | P9 | Lough |
| " | G XIV | Systematic Philosophy..... | +2 | | | | | | P1 | Shaw |
| " | G XVI | | +2 | | | | | 3.45 | P1 | " |

| | | | | | | | | | |
|------------------|----------|---|----|-------|-------|-------|-------|-------|-------------------|
| Philosophy..... | G XIX | Systematic Psychology..... | t2 | 3.45 | ..... | ..... | ..... | P9 | Lough |
| "..... | GXXIV | History of Ancient Philosophy..... | t2 | ..... | ..... | ..... | 11.15 | P1 | Shaw |
| Education..... | P131 | History of Education..... | t2 | ..... | ..... | ..... | 11.15 | P10 | Horne |
| Sociology..... | 2 | Social Problems..... | 2 | ..... | 3.45 | ..... | ..... | P11 | Binder |
| "..... | G II | Principles of Sociology..... | t2 | ..... | ..... | 4.00 | 11.15 | C4 | " |
| Economics..... | G III | Anthropology..... | t2 | ..... | ..... | ..... | ..... | P5 | Galloway |
| "..... | C1a | Elements of Economics..... | 1 | 4.45 | ..... | ..... | ..... | P5 | " |
| "..... | C2, 2a | Economic Problems..... | 1 | 4.45 | ..... | ..... | ..... | P5 | Powell |
| "..... | C3, 3a | Business Ethics..... | 2 | 6.00 | ..... | ..... | ..... | C2 | Galloway |
| "..... | C7 | Business Organization..... | 2 | ..... | 7.45 | ..... | ..... | C1 | Kennedy |
| "..... | C7a | Business Economics of Trade..... | 1 | 7.45 | ..... | ..... | ..... | C2 | " |
| "..... | C10, 10a | Economics of Transportation..... | 1 | 7.45 | ..... | ..... | ..... | P4 | Galloway |
| "..... | G I | Industrial History..... | 2 | 7.45 | ..... | ..... | ..... | C1 | Johnson |
| "..... | G VI | History of Political Economy..... | t2 | 4.00 | ..... | ..... | ..... | C2 | Galloway |
| "..... | G VII | Industrial Evolution..... | t2 | 4.45 | ..... | ..... | ..... | C1 | " |
| Finance..... | C1, 1a | Advanced Economics..... | t2 | ..... | 4.00 | ..... | ..... | C4 | Gerstenberg |
| "..... | C3 | Corporation Finance..... | 2 | 7.45 | ..... | ..... | ..... | C3 | Johnson |
| "..... | C4 | Money and credit..... | t1 | 7.45 | ..... | ..... | ..... | P7 | " |
| History..... | 1 | History of Banking..... | 2 | ..... | ..... | ..... | 11.15 | P3 | Jones |
| "..... | 2 | European History..... | 2 | ..... | ..... | ..... | 9.15 | P3 | Brown |
| "..... | G I | Political and Consa. History of U. S..... | t2 | 4.00 | ..... | ..... | ..... | P3 | Jones |
| "..... | G IV | French Revolution..... | t2 | ..... | ..... | ..... | 11.15 | P3 | Brown |
| "..... | G IX | American History..... | t2 | ..... | 4.00 | ..... | ..... | P11 | Gerdes |
| Law..... | 1 | History of France..... | 2 | ..... | ..... | 11.30 | 2.00 | P3 | Ashley |
| "..... | 2 | Popular Law..... | 2 | ..... | ..... | ..... | ..... | ..... | Creer |
| Politics..... | C1, 1a | Woman's Law Class..... | 1½ | 11.30 | ..... | ..... | ..... | ..... | Jenks |
| "..... | C2, 2a | Political Institutions..... | 2 | ..... | 11.30 | ..... | ..... | ..... | " |
| "..... | C3, 3a | Government and Business..... | t2 | ..... | 7.45 | ..... | ..... | ..... | " |
| "..... | C4, 4a | City Administration..... | 2 | ..... | ..... | ..... | ..... | ..... | " |
| "..... | C5 | Comparative Politics..... | 2 | ..... | ..... | ..... | ..... | ..... | " |
| "..... | C5a | Municipal Finance..... | 1 | 7.45 | ..... | ..... | ..... | ..... | " |
| "..... | C6, 6a | Municipal Accounting..... | 1 | 7.45 | ..... | ..... | ..... | ..... | " |
| Mathematics..... | 1 | City of New York..... | 2 | ..... | ..... | 7.45 | ..... | C1 | Jenks |
| "..... | 2 | Alebra..... | 2 | ..... | ..... | ..... | 9.15 | G III | Edmondson |
| "..... | 3 | Solid Geometry..... | 2 | ..... | ..... | 4.00 | ..... | P3 | Thorne |
| "..... | 4 | Trigonometry..... | 1 | ..... | ..... | ..... | ..... | P8 | " |
| "..... | 5 | Analytic Geometry..... | t2 | ..... | ..... | 7.00 | ..... | G III | Edmondson |
| Physics..... | 1 | Calculus..... | 2 | ..... | ..... | ..... | 11.15 | U. H. | Hering |
| "..... | 2 | General Physics..... | 2 | ..... | ..... | ..... | ..... | U. H. | Hering and Arnold |
| "..... | 4 | Laboratory..... | 2 | ..... | ..... | ..... | ..... | ..... | Hering |
| "..... | 4 | General Physics..... | 2 | ..... | ..... | 4.00 | ..... | ..... | ..... |

† Credited as Senior Courses. 3.45 = First Term only. 3.45 = Second Term only. L = Law School. G = Graduate School. P = School of Pedagogy. G = School of Commerce. XI = Eleventh floor. U. H. = University Heights. M. C. = Medical College.

COURSE SCHEDULE—Concluded.

| DEPARTMENT | No. | SUBJECT | UNITS OF CREDIT | HOURS OF LECTURES | | | | | ROOM | INSTRUCTOR |
|----------------|---------|---------------------------------------|-----------------------|-------------------|-------|------|--------|------|-------|------------|
| | | | | Mon. | Tues. | Wed. | Thurs. | Fri. | | |
| Physics..... | G VIIIa | General Physics..... | †2 | | | | | | U. H. | Hering |
| "..... | G VIIIb | General Physics..... | †2 | | | | | | U. H. | " |
| Chemistry..... | 1 | Inorganic Chemistry..... | 1 | | | 3.45 | | | P3 | Simmons |
| "..... | 2 | Inorganic Chemistry..... | 1 | | | 3.45 | | | P3 | " |
| "..... | 3 | Organic Chemistry..... | 1 | | | 7.45 | | | P9 | " |
| "..... | 4 | Chemistry of Daily Life..... | 1 | | | 7.45 | | | P9 | " |
| "..... | G VIIa | Qualitative Analysis..... | †2 | | | | | | U. H. | Hill |
| "..... | G VIIb | Quantitative Analysis..... | †2 | | | | | | U. H. | " |
| Geography..... | 1 | Geography of Land..... | 1 | | | | | | P2 | Woodman |
| "..... | 2 | Geography of Ocean..... | 1 | 4.00 | | | | | P2 | " |
| "..... | C5 | Commercial Geography..... | 1 | 4.00 | | | | | P2 | " |
| "..... | 7, 8 | Content and Method in Geography..... | 2 | | | 4.00 | 7.45 | | P2 | Earle |
| "..... | 9 | General Geology..... | 2 | | | | | | P2 | Woodman |
| "..... | 10 | General Geology..... | 2 | | | | | | U. H. | Earle |
| "..... | 11 | General Geology..... | 2 | | | | | | U. H. | " |
| "..... | 12 | North America..... | 1 | | | 7.45 | | | P2 | Woodman |
| "..... | G I | South America..... | 1 | | | 7.45 | | | | " |
| "..... | G I | History of Geology and Geography..... | †1 | | | | | | | " |
| Geology..... | G II | Geographic Influences..... | †1 | | | | | | | " |
| Biology..... | 1 | General Biology..... | †1 | | | | | | | " |
| "..... | 3 | Organic Evolution..... | 2 | | | | | | C3 | Bristol |
| "..... | 4 | Anatomy..... | 2 | | | | | | P2 | " |
| "..... | 5 | Experimental Physiology..... | †2 | | | | | | P9 | Hamilton |
| "..... | 6 | Physiology of Nutrition..... | †3 | | | | | | | Ewing |
| "..... | | | †2 | | | | | 3.30 | M. C. | Jackson |

† Credited as Senior Courses. 3.45=First Term only. 3.45=Second term only. L=Law School. G=Graduate School. P=School of Pedagogy. C=School of Commerce. XI=Eleventh floor. U.H.=University Heights. M.C.=Medical College.

NEW YORK UNIVERSITY
SUMMARY OF UNIVERSITY STATISTICS
1912-1913

| DIVISIONS | Professors | Lecturers | Instructors | Assistants | Other Officers | Total Officers | Total Students | Degrees Conferred, 1912 |
|--|------------|-----------|-------------|------------|----------------|----------------|----------------|-------------------------|
| I. ARTS AND SCIENCE. | | | | | | | | |
| 1. College of Arts and Pure Science..... | | | | | | | 201 | 28 |
| 2. School of Applied Science..... | | | | | | | 208 | 54 |
| 3. Graduate School.... | | | | | | | 328 | 45 |
| | 44 | 52 | 22 | 13 | 15 | 146 | | |
| 4. Summer School..... | | | | | | | 645 | |
| 5. School of Pedagogy.. | | | | | | | 378 | 15 |
| 6. Washington Square Collegiate Div.... | | | | | | | 449 | 42 |
| 7. School of Commerce) | 13 | 23 | 11 | 9 | 6 | 62 | 1,800 | 118 |
| II. LAW. | | | | | | | | |
| 8. University Law School. | 9 | 3 | 5 | | 4 | 21 | 643 | 195 |
| 9. Woman's Law Class... | 1 | | 3 | | | 4 | 60 | |
| III. MEDICINE. | | | | | | | | |
| 10. University Medical College..... | 44 | 20 | 43 | 22 | 50 | 179 | 518 | 80 |
| 11. Veterinary College... | 12 | 2 | 1 | | | 15 | 16 | 3 |
| IV. GENERAL. | | | | | | | | |
| 12. Library..... | | | | | 7 | 7 | | |
| Grand Total..... | 123 | 100 | 85 | 44 | 82 | 434 | 5,246 | 580 |
| Deduct for names counted twice..... | 11 | 10 | 4 | 7 | | 25 | 275 | |
| Net Total..... | 112 | 90 | 81 | 37 | 82 | 409 | 4,971 | 580 |

In the above total "auditors" are not reckoned, nor students of the Extramural Division. More than one thousand of these students are in attendance in the various schools of the University.

Special circulars of the various schools will be sent free upon application to the Registrar, New York University, Washington Square, N. Y. In writing please state which circular is desired. The General Catalogue will be sent upon receipt of twenty-five cents.



3 0112 105879230